at1110paper_practice_test (v30)

1. Solve the equation with factoring by grouping.

$$15x^2 + 6x - 20x - 8 \; = \; 0$$

2. Factor the expression.

$$25x^2 - 9$$

3. Solve the equation.

$$7x^2 - 25x - 61 \; = \; 4x^2 - 5x + 2$$

4. Expand the following expression into standard form.

$$(3x + 7)^2$$

5. Solve the equation.
$$(2x + 3)(7x - 8) = 0$$

6. Expand the following expression into standard form.
$$(3x - 4)(3x + 4)$$

7. Expand the following expression into standard form.
$$(3x - 2)(7x + 8)$$

8. Factor the expression.
$$x^2 - 3x - 28$$